



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: CATAWBA PERMIT NO.: 18-12 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incineration		T&P		FIRM		
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill	X	DEMO		SDTF		

Date of Site Inspection: April 23, 2012

Date of Last Inspection: April 1, 2011

FACILITY NAME AND ADDRESS:

Duke Energy Carolinas, LLC - Marshall Steam Station
Industrial Landfill No. 1
8320 East NC Highway 150
Terrell, North Carolina 28682

GPS COORDINATES: N: 35.60463 W: -80.9774

FACILITY CONTACT NAME AND PHONE NUMBER:

Donna Burrell, Environmental Coordinator
Duke Energy Carolinas, LLC
(828) 478-7820
donna.burrell@duke-energy.com

FACILITY CONTACT ADDRESS:

Registered Agent: CT Corporation System
150 Fayetteville Street, Box 1011
Raleigh, NC 27601

Principal Office: Duke Energy Carolinas, LLC
526 South Church Street
Charlotte, NC 28202-1904

PARTICIPANTS:

Donna Burrell, Duke Energy Carolinas, LLC – Environmental Coordinator
Buddy Mayberry, Duke Energy Carolinas, LLC – Material Handling Coordinator
Larry Frost, Regional Permitting Engineer - NCDENR Solid Waste Section
Deb Aja, NCDENR Solid Waste Section

STATUS OF PERMIT:

Active.

INDUSTRIAL WASTE LANDFILL FACILITY: PERMIT NO. 18-12	Date Issued
Permit to Construct Phase 1	February 25, 2010
Permit to Operate Phase 1 – Cells 1 and 2 issued, revisions to Operations Plan and revisions to the Leachate Force Main design. Permit to Construct Phase 1 – Cells 3 and 4	March 7, 2011

PURPOSE OF SITE VISIT:

Partial Inspection – Operations.

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STATUS OF PAST NOTED VIOLATIONS:

None.

OBSERVED VIOLATIONS

None.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

1. The landfill is permitted to receive fly ash, bottom ash, flue gas desulfurization (FGD) gypsum, FGD clarifier sludge, asbestos material, land clearing and inter debris, coal mill rejects, waste limestone material, and boiler slag generated at the Marshall Steam Station. The waste stream is comprised predominantly of ash.
2. A pre-operation meeting was held on June 7, 2011. The facility commenced placing waste in Phase 1, Cells 1 and 2, in July 2011.
3. The approved Operations Plan was revised and the current approved plan is dated August 3, 2011.
4. A sign was posted at the entrance to the facility with the permit number and a statement that no hazardous or liquid waste is permitted per the approved operations plan.
5. Edge-of-waste markers were installed and maintained.
6. The access road was maintained in good condition.
7. Erosion control matting and seeding was recently placed on the berms surrounding Cells 1 and 2.
8. Dust was well controlled at the time of the inspection. The current revised Operations Plan does not require the weekly application of 6 inches of soil cover, rather, a combination of dust control measures in accordance with the plan.
9. The wastes appeared to be placed the landfill as generally as required: in ten foot thick operational lifts, spread in approximately 1 foot layers. Chimney drains have been installed in each cell to convey the flow of leachate to the leachate control system.
10. There appeared to be no rills present in waste greater than inches in depth at the time of the inspection.
11. The leachate management system and leachate detection system control panels were inspected. Facility staff operated the test function for visual and audible alarms on the leachate management system - the alarm system appeared to be operating as designed.
12. Facility records will be reviewed during the next comprehensive inspection.

Please contact me if you have any questions or concerns regarding this inspection report.


Deborah Aja

Environmental Senior Specialist
Regional Representative
deborah.aja@ncdenr.gov

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Asheville Regional Office
2090 US Hwy 70
Swannanoa, NC 28778

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Sent on May 7, 2012, to: Donna Burrell, Duke Energy Carolinas, LLC by;	X	Email		Hand delivery		US Mail		Certified No.
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Ec: Jason Watkins, Western District Supervisor
Jessica Montie, Compliance Officer
Larry Frost, Regional Permitting Engineer
Buddy Mayberry, Duke Energy Carolinas, LLC